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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 14, 2006

MARTIN D. MOYNIHAN  
P.O. BOX 16446  
PRTSI, INC.  
ARLINGTON, VA 22215

PTAS

**\*500084409A\***

\*500084409A\*



**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/12/2006

REEL/FRAME: 017298/0174  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 31316

**ASSIGNOR:**

AGRANAT, AHARON J.

DOC DATE: 02/05/2006

**ASSIGNOR:**

DE OLIVEIRA, CLOVIS, EDUARDO,  
MAZZOTTI

DOC DATE: 02/15/2006

**ASSIGNEE:**

YISSUM RESEARCH DEVELOPMENT  
COMPANY OF THE HEBREW UNIVERSITY  
OF JERUSALEM  
HI TECH PARK, THE EDMOND J. SAFRA  
CAMPUS, THE HEBREW UNIVERSITY OF  
JERUSALEM, GIVAT RAM  
JERUSALEM, ISRAEL 91390

017298/0174 PAGE 2

SERIAL NUMBER: 10566264

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: STABLE DIELECTRIC GRATINGS IMPLEMENTED BY COMPOSITION STRIATIONS IN  
PARAELECTRIC CRYSTALS

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

### re Application of:

Serial No.: 10/566,264

Filed: April 17, 2007

For: STABLE DIELECTRIC  
GRATINGS IMPLEMENTED  
BY COMPOSITION  
STRIATIONS IN  
PARAELECTRIC CRYSTALS

Examiner: CHANG Audrey Y.

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

.....

Confirmation No. 3491

Group Art Unit: 2872

Attorney Docket: 31316

Sir:

Attached hereto are copies of the Filing Receipt dated April 8, 2009 and the papers upon which the same was issued.

Please note that the correct Assignee that should appear in the section "Assignment For Published Patent Application" is **"Yissum Research Development Company of the Hebrew University of Jerusalem, Jerusalem, Israel"**, and not "Koninklijke Phillips Electronics, N.V., Eindhoven, NETHERLANDS". Applicant never submitted any papers indicating this latter entity as the Assignee. Please find attached an executed Assignment form and the Notice of Recordation of Assignment indicating Yissum Research Development Company of the Hebrew University of Jerusalem as the Assignee.

Issuance of a Corrected Filing Receipt to reflect the correct Assignee as mentioned above is respectfully requested.

Respectfully submitted,

Martin P. Moyulka

Martin D. Moynihan  
Registration No. 40,338

Date: November 27, 2009



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| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|-----------------|------------|------------|
| 10/566,264            | 04/17/2007               | 2872            | 1090          | 31316           | 41         | 5          |

CONFIRMATION NO. 3491

67801

MARTIN D. MOYNIHAN d/b/a PRTSI, INC.  
P.O. BOX 16446  
ARLINGTON, VA 22215

FILING RECEIPT



Date Mailed: 04/08/2009

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Aharon J. Agranat, Mevasseret Zion, ISRAEL;  
Clovis Eduardo Mazzotti De Oliveira, Beer Sheva, ISRAEL;

Assignment For Published Patent Application

~~Koninklijke Philips Electronics, N.V., Eindhoven, NETHERLANDS~~ ←

Power of Attorney:

Martin Moynihan--40338

**Yissum Research Development Company of the Hebrew University of  
Jerusalem, Jerusalem, Israel**

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/IL04/00726 08/04/2004  
which claims benefit of 60/491,996 08/04/2003

Foreign Applications

If Required, Foreign Filing License Granted: 04/06/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention,  
is **US 10/566,264**

Projected Publication Date: 07/16/2009

Non-Publication Request: No

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

**Title**

Stable dielectric gratings implemented by composition striations in paraelectric crystals

**Preliminary Class**

359

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce Initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER**

**Title 35, United States Code, Section 184**

**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

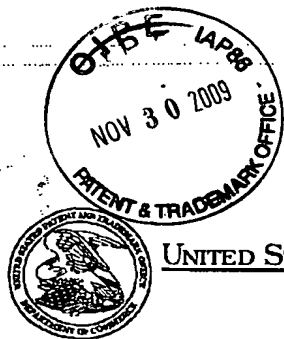
set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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|  |  |                           |
|--|--|---------------------------|
| U.S. APPLICATION NUMBER NO.<br>10/566,264  | FIRST NAMED APPLICANT<br>Aharon J. Agranat | ATTY. DOCKET NO.<br>31316 |
| 67801<br>MARTIN D. MOYNIHAN d/b/a PRTSI, INC.<br>P.O. BOX 16446<br>ARLINGTON, VA 22215 |  |                           |
| INTERNATIONAL APPLICATION NO.<br>PCT/IL04/00726  |  |                           |
| I.A. FILING DATE<br>08/04/2004   | PRIORITY DATE<br>08/04/2003                |                           |

CONFIRMATION NO. 3491  
371 ACCEPTANCE LETTER



Date Mailed: 04/08/2009

**NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495**

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

04/17/2007  
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1),  
(c)(2) and (c)(4) REQUIREMENTS

04/17/2007  
DATE OF COMPLETION OF ALL  
35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Indication of Small Entity Status
- Copy of the International Application filed on 01/30/2006
- Copy of the International Search Report filed on 01/30/2006
- Preliminary Amendments filed on 01/30/2006
- Information Disclosure Statements filed on 01/30/2006
- Oath or Declaration filed on 04/17/2007
- Request for Immediate Examination filed on 01/30/2006
- U.S. Basic National Fees filed on 01/30/2006
- Priority Documents filed on 01/30/2006
- Power of Attorney filed on 04/17/2007
- Specification filed on 04/17/2007
- Claims filed on 04/17/2007
- Abstracts filed on 04/17/2007
- Drawings filed on 04/17/2007

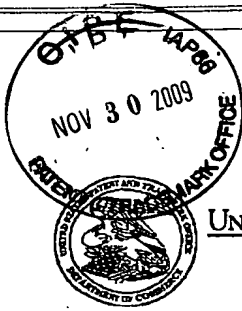
Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

PAULETTE R KIDWELL

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Telephone: (703) 308-9140 EXT 216





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[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 10/566,264         |                       | Aharon J. Agranat     | 31316                  |

67801

MARTIN D. MOYNIHAN d/b/a PRTSI, INC.  
P.O. BOX 16446  
ARLINGTON, VA 22215

**CONFIRMATION NO. 3491**  
**WITHDRAWAL NOTICE**



Date Mailed: 04/08/2009

**Letter Regarding a New Notice and/or the Status of the Application**

If a new notice or Filing Receipt is enclosed, applicant may disregard the previous notice mailed on 03/12/2007. The time period for reply runs from the mail date of the new notice. Within the time period for reply, applicant is required to file a reply in compliance with the requirements set forth in the new notice to avoid abandonment of the application.

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If the reply is not filed electronically via EFS-Web, the reply must be accompanied by a copy of the new notice.

If the Office previously granted a petition to withdraw the holding of abandonment or a petition to revive under 37 CFR 1.137, the status of the application has been returned to pending status.

/mordonez/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



31316

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**Aharon J. AGRANAT**  
29 HaArazim Street  
90805 Mevasseret Zion  
Israel

**Clovis, Eduardo, Mazzotti DE OLIVEIRA**  
29 Bar Nisan Street  
84633 Beer Sheva  
Israel



hereby sell(s), assign(s) and transfer(s) to:

**Yissum Research Development Company of the Hebrew University of Jerusalem**  
Hi Tech Park, The Edmond J. Safra Campus  
The Hebrew University of Jerusalem, Givat Ram  
91390 Jerusalem  
Israel

(hereinafter called the "Assignee"), its successors, assigns, nominees or other legal representatives, the undersigned's entire rights, title and interest in and to the invention titled:

**STABLE DIELECTRIC GRATINGS IMPLEMENTED BY COMPOSITION  
STRIATIONS IN PARAELECTRIC CRYSTALS**

described and claimed in the following Patent Application:

**Entry into National Phase in the USA of PCT Patent Application  
No. PCT/IL2004/000726,  
international filing date 4 August 2004,  
and identified as Attorney Docket No. 31316**

and in and to said Patent Application, and all original and reissued Patents granted therefore, and all divisions and continuations thereof, any corresponding PCT Patent Application and the National Phases thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon:

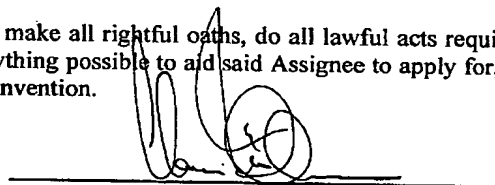
covenant that the undersigned have (has) the full right to convey the entire interest therein assigned;

authorize(s) and request(s) the Registrar of Patents, and any Official of any country whose duty it is to issue Patents on applications as aforesaid, to issue the said Letters Patent to the said Assignee;

and agree(s) to sign all lawful papers, make all rightful oaths, do all lawful acts requisite for such Patent Applications, and do everything possible to aid said Assignee to apply for, obtain and enforce Patent protection for said invention.

  
Aharon J. AGRANAT

Date: 5/2/06

  
Clovis, Eduardo, Mazzotti DE OLIVEIRA

Date: 15/02/06